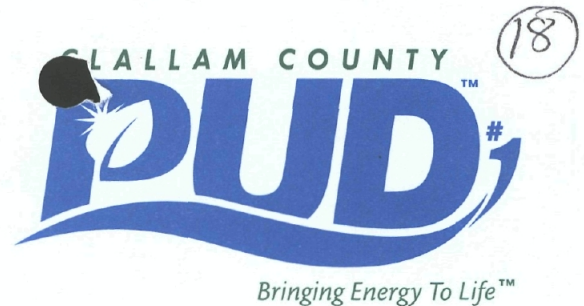


11/1/13



State of Washington
Department of Ecology
Water Resources Program
Post Office Box 47775
Olympia, WA 98504-7775

RECEIVED

NOV 04 2013

WA State Department
of Ecology (SWRO)

Attn: Thomas Loranger
Section Manager

CG2-GWP-7439

RE: GROUND WATER PERMIT NO. 7439
BLUFFS WELL / TAG #AHM614
PORT ANGELES COMPOSITE

Dear Mr. Loranger:

One of the provisions listed in your letter dated February 5, 2009, regarding the extension of the District's Ground Water Permit No. 7439 included the analysis of chloride and conductivity. We have completed semi-annual monitoring since 1999; test results for 2013 are enclosed.

We monitored the static water level in the new observation well simultaneous with collecting the water sample. The static water level on April 16, 2013 was 181.04, and on September 4, 2013 it was 181.02.

Water use data is recorded each work day and reported on the DOE website each month.

If you have any questions regarding this information, please contact me at 360.565.3449 or tomm@clallampud.net.

Sincerely,

Tom Martin
Water/Wastewater Systems
Assistant Superintendent

TM/ap
Enclosures



Burlington WA
Corporate Office

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503.682.7802



COPY

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: PUD NO.1 of Clallam County
PO BOX 1090
2431 Highway 101 East
Port Angeles, WA 98362

Reference Number: 13-06335
Project: Bluffs Well

System Name: PORT ANGELES COMPOSITE
System ID Number: 432960
DOH Source Number: 01
Multiple Sources:
Sample Type: A - After treatment
Sample Purpose: C - Compliance
Sample Location: Finished tap at Well
County: Clallam

Sample Number: Bluffs Well
Lab Number: 046-14862
Collect Date: 4/16/13 10:55
Date Received: 4/17/13
Report Date: 4/25/13
Sampled By: Unknown
Sampler Phone: 360-565-3577
Released by:

| DOH# | ANALYTES | RESULTS | UNITS | SRL | Trigger | MCL | Analyst | METHOD | Analyzed | COMMENT |
|------|--|--------------|----------|-------|---------|------|---------|-------------|----------------|---------|
| 16 | Other ELECTRICAL CONDUCTIVITY | 362 | uS/cm | 10 | | 700 | srf | SM2510 B | 04/19/13 | |
| 21 | EPA Regulated (Secondary) CHLORIDE | 12 | mg/L | 0.1 | | 250 | bj | 300.0 | 04/19/13 | |
| 0 | IRON | ND | mg/L | 0.050 | | 0.3 | bj | 200.7 | 04/22/13 | |
| 0 | HARDNESS as Calcium Carbonate | 168.3 | mg/L | 3.30 | | | bj | 200.7 | 04/22/13 | |
| 0 | MANGANESE | ND | mg/L | 0.005 | | 0.05 | bj | 200.7 | 04/22/13 | |
| 0 | HYDROGEN ION (pH) | 7.40 | pH Units | | | | mwk | SM4500-H+ B | 04/17/13 16:28 | |
| | STATIC WATER LEVEL | 181.04 | FT | | | | | | | |

NOTES:
SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).
MCL (Maximum Contaminant Level): maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).
An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.
These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.
If you have any questions concerning this report contact us at the above phone number.



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INORGANIC COMPOUNDS (IOC) REPORT

COPY

Client Name: PUD NO.1 of Clallam County
PO BOX 1090
2431 Highway 101 East
Port Angeles, WA 98362

Reference Number: 13-16611
Project: Bluffs Well

System Name: PORT ANGELES COMPOSITE
System ID Number: 432960
DOH Source Number: 02
Multiple Sources:
Sample Type: A - After treatment
Sample Purpose: C - Compliance
Sample Location: Finished Tap at the Well
County: Clallam

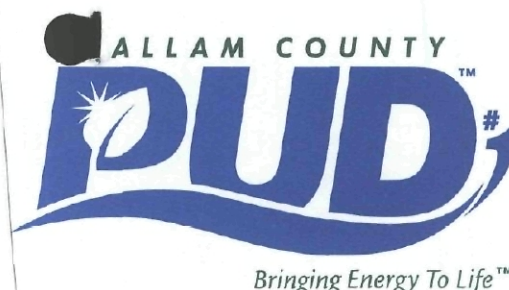
Sample Number: Bluffs Well
Lab Number: 046-37634
Collect Date: 9/4/13 09:35
Date Received: 9/5/13
Report Date: 9/13/13
Sampled By: George Crabb
Sampler Phone:
Released by:

| DOH# | ANALYTES | RESULTS | UNITS | SRL | Trigger | MCL | Analyst | METHOD | Analyzed | COMMENT |
|------|--|---------------|----------|-------|---------|------|---------|-------------|----------------|---------|
| 16 | Other ELECTRICAL CONDUCTIVITY | 357 | uS/cm | 10 | | 700 | srf | SM2510 B | 09/09/13 | |
| 21 | EPA Regulated (Secondary) CHLORIDE | 12 | mg/L | 0.1 | | 250 | bj | 300.0 | 09/05/13 | |
| 0 | IRON | ND | mg/L | 0.050 | | 0.3 | bj | 200.7 | 09/10/13 | |
| 0 | HARDNESS as Calcium Carbonate | 160.1 | mg/L | 3.30 | | | bj | 200.7 | 09/10/13 | |
| 0 | MANGANESE | ND | mg/L | 0.005 | | 0.05 | bj | 200.7 | 09/10/13 | |
| 0 | HYDROGEN ION (pH) | 7.28 | pH Units | | | | mwk | SM4500-H+ B | 09/05/13 17:10 | |
| | STATIC WATER LEVEL | 181.02 | FT | | | | | | | |

NOTES:
SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).
An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples.
If you have any questions concerning this report contact us at the above phone number.

November 8, 2012



State of Washington
Department of Ecology
Water Resources Program
Post Office Box 47775
Olympia, WA 98504-7775

Attn: Section Manager

RE: GROUND WATER PERMIT NO. 7439
BLUFFS WELL / TAG #AHM614
PORT ANGELES COMPOSITE

Dear Sir:

One of the provisions listed in your letter dated February 5, 2009, regarding the extension of the District's Ground Water Permit No. 7439, included the analysis of chloride and conductivity. We have completed semi-annual monitoring since 1999; test results for 2012 are enclosed.

We monitored the static water level in the new observation well simultaneous with collecting the water sample. The static water level on April 10, 2012 was 180'14", and on September 19, 2012 it was 181'31".

Water use data is recorded each work day and reported on the DOE website each month.

If you have any questions regarding this information, please contact me at 360.565.3449 or tomm@clallampud.net.

Sincerely,

A handwritten signature in blue ink that reads "Tom Martin".

Tom Martin
Water/Wastewater Systems
Assistant Superintendent

TM/va
Enclosures

RECEIVED

NOV 15 2012

WA State Department
of Ecology (SWRO)

Bluffs Well ?



Burlington WA
Corporate Office

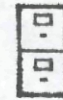
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360.671.0688

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FILE COPY

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: PUD NO.1 of Clallam County
PO BOX 1090
2431 Highway 101 East
Port Angeles, WA 98362

Reference Number: 12-05479
Project: PUD NO. 1 of Clallam County

System Name: PORT ANGELES COMPOSITE
System ID Number: 432960
DOH Source Number: 01
Multiple Sources:
Sample Type: A - After treatment
Sample Purpose: C - Compliance
Sample Location: Finished Tap at Well
County: Clallam

Sample Number: Bluffs Well
Lab Number: 046-12807
Collect Date: 4/10/12 10:30
Date Received: 4/11/12
Report Date: 4/20/12
Sampled By: George Crabb
Sampler Phone: 360-565-3254
Released by:

| DOH# | ANALYTES | RESULTS | UNITS | SRL | Trigger | MCL | Analyst | METHOD | Analyzed | COMMENT |
|----------------------------|---------------------------------------|---------|-------|------|---------|-----|---------|----------|----------|---------|
| 16 | Other ELECTRICAL CONDUCTIVITY | 131 | uS/cm | 10 | | 700 | srf | SM2510 B | 04/13/12 | |
| 21 | EPA Regulated (Secondary) CHLORIDE | 2.4 | mg/L | 0.1 | | 250 | bj | 300.0 | 04/11/12 | |
| 15 | HARDNESS as Calcium Carbonate | 56.4 | mg/L | 3.30 | | | bj | 200.7 | 04/18/12 | |
| Static wtr level is 180.14 | | | | | | | | | | |

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NOV 15 2012

WA State Department
of Ecology (SWRC)

RECEIVED

APR 23 2012

PUD No. 1

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA, Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.

If you have any questions concerning this report contact us at the above phone number.



Burlington WA
Corporate Office

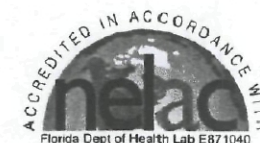
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Bluffs Well S02

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: PUD NO.1 of Clallam County
PO BOX 1090
2431 Highway 101 East
Port Angeles, WA 98362

Reference Number: 12-16255
Project: Bluffs Well

System Name: PORT ANGELES COMPOSITE
System ID Number: 43296
DOH Source Number: 02
Multiple Sources:
Sample Type: A - After treatment
Sample Purpose: C - Compliance
Sample Location: Finished tap at well
County: Clallam

Sample Number: Bluffs Well
Lab Number: 046-37278
Collected Date: 9/19/12 14:30
Date Received: 9/20/12
Report Date: 10/17/12
Sampled By: Derek Thompson
Sampler Phone: 360-565-3254
Released by:

| DOH# | ANALYTES | RESULTS | UNITS | SRL | Trigger | MCL | Analyst | METHOD | Analyzed | COMMENT |
|---|---------------------------------------|---------|-------|-------|---------|-----|---------|----------|----------------|---------|
| 16 | Other ELECTRICAL CONDUCTIVITY | 363 | uS/cm | 10 | | 700 | srf | SM2510 B | 09/20/12 | |
| 20 | EPA Regulated NITRATE-N | 1.34 | mg/L | 0.100 | 5 | 10 | bj | 300.0 | 09/20/12 10:49 | |
| 21 | EPA Regulated (Secondary) CHLORIDE | 12 | mg/L | 0.1 | | 250 | bj | 300.0 | 09/20/12 | |
| 15 | HARDNESS as Calcium Carbonate | 127.6 | mg/L | 3.30 | | | bj | 200.7 | 09/25/12 | |
| Static wtr level is 181.31 | | | | | | | | | | |
| RECEIVED NOV 15 2012 WA State Department of Ecology (SWRO) | | | | | | | | | | |

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level): maximum permissible level of a contaminant in water established by EPA. Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples.

If you have any questions concerning this report contact us at the above phone number.

November 1, 2011



State of Washington
Department of Ecology
Water Resources Program
Post Office Box 47775
Olympia, WA 98504-7775

Attn: Section Manager

RE: GROUND WATER PERMIT NO. 7439
BLUFFS WELL / TAG #AHM614
PORT ANGELES COMPOSITE

RECEIVED

NOV 02 2011

WA State Department
of Ecology (SWRO)

Dear Sir:

One of the provisions listed in your letter dated February 5, 2009, regarding the extension of the District's Ground Water Permit No. 7439, included the analysis of chloride and conductivity. We have completed semi-annual monitoring since 1999; test results for 2011 are enclosed.

We monitored the static water level in the new observation well simultaneous with collecting the water sample. The static water level on April 14, 2011 was 180'7", and on September 7, 2011 it was 180'6".

Water use data is recorded each work day and reported on the DOE website each month.

If you have any questions regarding this information, please contact me at 360.565.3449 or tomm@clallampud.net.

Sincerely,

Tom Martin
Water/Wastewater Systems
Assistant Superintendent

TM/va
Enclosures

CG2-GWP7439

18

Commissioners: Will Purser, District No. 1 • Hugh Haffner, District No. 2 • Ted Simpson, District No. 3 General Manager: Doug Nass

PUD No. 1 of Clallam County • 2431 East Highway 101 • P.O. Box 1090 • Port Angeles, WA 98362-0207 • www.clallampud.net

Office 360-452-9771 • Fax 360-452-9338



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FILE COPY

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: PUD NO.1 of Clallam County
PO BOX 1090
2431 Highway 101 East
Port Angeles, WA 98362

Reference Number: 11-05280
Project: Bluffs

System Name: PORT ANGELES COMPOSITE
System ID Number: 432960
DOH Source Number: 01
Multiple Sources:
Sample Type: A - After treatment
Sample Purpose: C - Compliance
Sample Location: Finished tap at well
County: Clallam

Sample Number: Bluffs
Lab Number: 046-11686
Collect Date: 4/12/11 09:55
Date Received: 4/13/11
Report Date: 4/22/11
Sampled By: George Crabb
Sampler Phone: 360-565-3254
Released by:

| DOH# | ANALYTES | RESULTS | UNITS | SRL | Trigger | MCL | Analyst | METHOD | Analyzed | COMMENT |
|------|--|------------|-------|------|---------|-----|---------|----------|----------|---------|
| 16 | Other ELECTRICAL CONDUCTIVITY | 365 | uS/cm | 10 | | 700 | srf | SM2510 B | 04/14/11 | |
| 21 | EPA Regulated (Secondary) CHLORIDE | 13 | mg/L | 0.1 | | 250 | mvp | 300.0 | 04/14/11 | |
| 15 | HARDNESS as Calcium Carbonate | 168 | mg/L | 3.30 | | | bj | 200.7 | 04/15/11 | |
| | STATIC WATER LEVEL | 180.7 | | | | | | | | |

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level): maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples.

If you have any questions concerning this report contact us at the above phone number.

FORM: IOC_ST



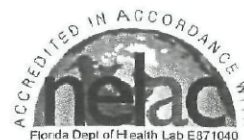
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Microbiology

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360 671 0688

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Portland OR
Microbiology/Chemistry
3440 SW Pioneer St Ste W 97070
503 682 7802



INORGANIC COMPOUNDS (IOC) REPORT

Client Name: PUD NO.1 of Clallam County
PO BOX 1090
2431 Highway 101 East
Port Angeles, WA 98362

Reference Number: 11-14235
Project: Bluffs Well

System Name: FAIRVIEW (LUD #1/LUD #11 BLUFFS)
System ID Number: 432960
DOH Source Number: 02
Multiple Sources:
Sample Type: A - After treatment
Sample Purpose: C - Compliance
Sample Location: Finished Tap at Well
County: Clallam

Sample Number: Bluffs Well
Lab Number: 046-31453
Collect Date: 9/7/11 09:05
Date Received: 9/8/11
Report Date: 9/15/11
Sampled By: D. Thompson
Sampler Phone: 360-565-3254
Released by:

| DOH# | ANALYTES | RESULTS | UNITS | SRL | Trigger | MCL | Analyst | METHOD | Analyzed | COMMENT |
|------|--|--------------|----------|-------|---------|------|---------|-------------|----------------|---------|
| 16 | Other ELECTRICAL CONDUCTIVITY | 368 | uS/cm | 10 | | 700 | srf | SM2510 B | 09/13/11 | |
| 21 | EPA Regulated (Secondary) CHLORIDE | 13 | mg/L | 0.1 | | 250 | bj | 300.0 | 09/09/11 | |
| 0 | IRON | ND | mg/L | 0.050 | | 0.3 | bj | 200.7 | 09/13/11 | |
| 0 | HARDNESS as Calcium Carbonate | 153.3 | mg/L | 3.30 | | | bj | 200.7 | 09/13/11 | |
| 0 | MANGANESE | ND | mg/L | 0.005 | | 0.05 | bj | 200.7 | 09/13/11 | |
| 0 | HYDROGEN ION (pH) | 6.98 | pH Units | | | | srf | SM4500-H+ B | 09/09/11 15:03 | |
| | STATIC WATER LEVEL | 180.6 | | | | | | | | |

NOTES

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

MCL (Maximum Contaminant Level): maximum permissible level of a contaminant in water established by EPA. Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

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These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples.

If you have any questions concerning this report contact us at the above phone number.